

Inventory Application System

An inventory application method

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specifying whether a search is for orders or materials if the search is for orders, i) inputting materials available and capturing a complete set of attributes for the materials, and ii) looking for feasible matches of the materials against orders if the search is for materials, i) specifying orders and capturing attributes for routing steps of the orders, and ii) looking for feasible matches of orders against materials compiling a list of feasible matches evaluating each match ranking the matches using said rankings to assign materials to orders

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A method for allocating materials in a production facility

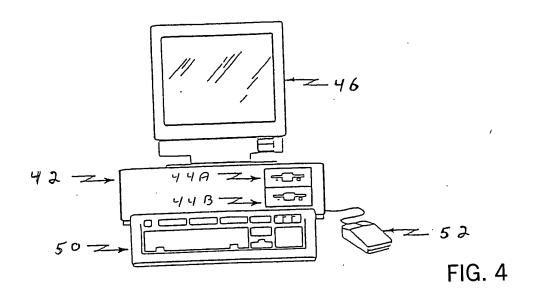
identifying materials and orders in production at a defined time

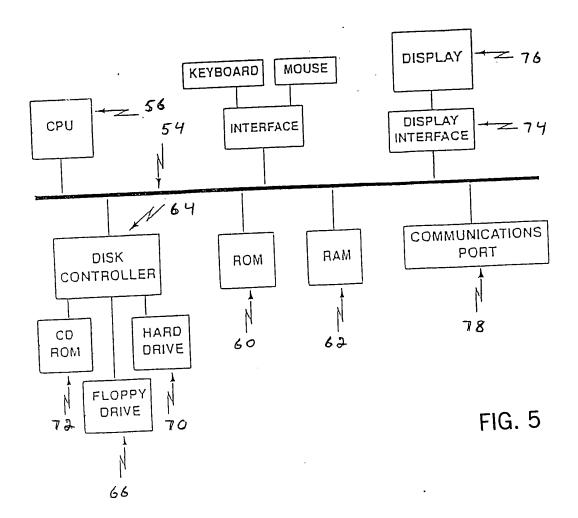
identifying materials that are available to be assigned to orders

iteratively assigning and unassigning materials to orders until (i) all the orders are fulfilled, or (ii) there are no more options to be tested

FIG. 3

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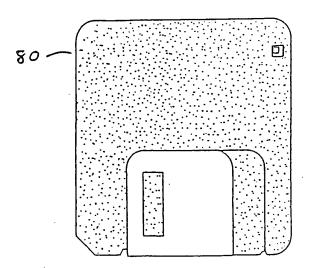


FIG. 6

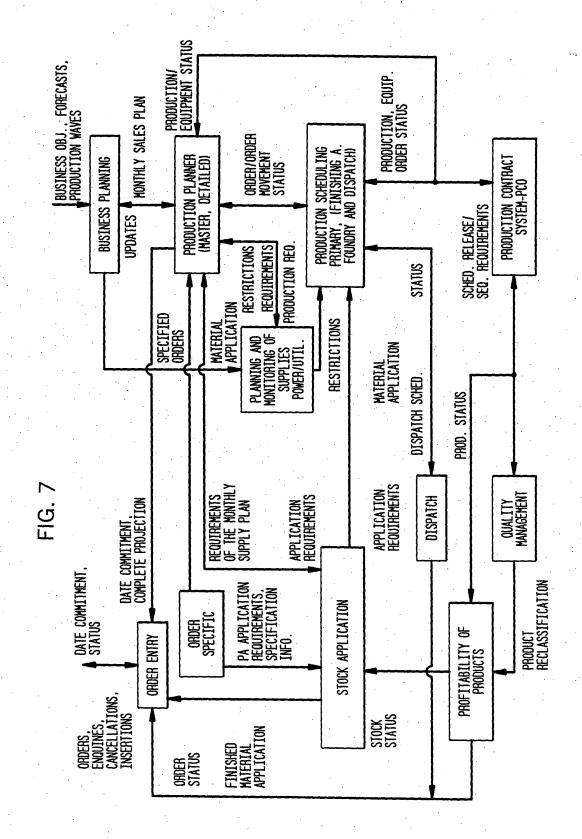
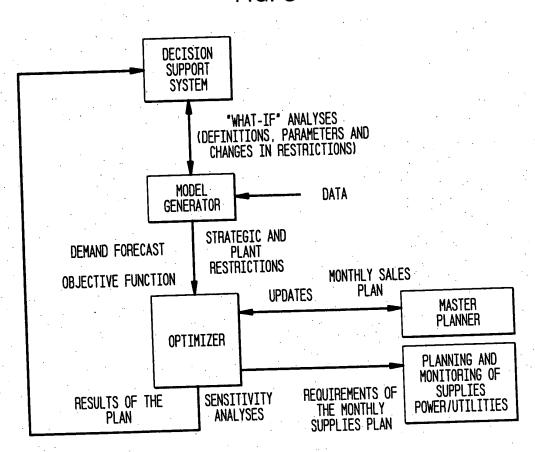


FIG. 8



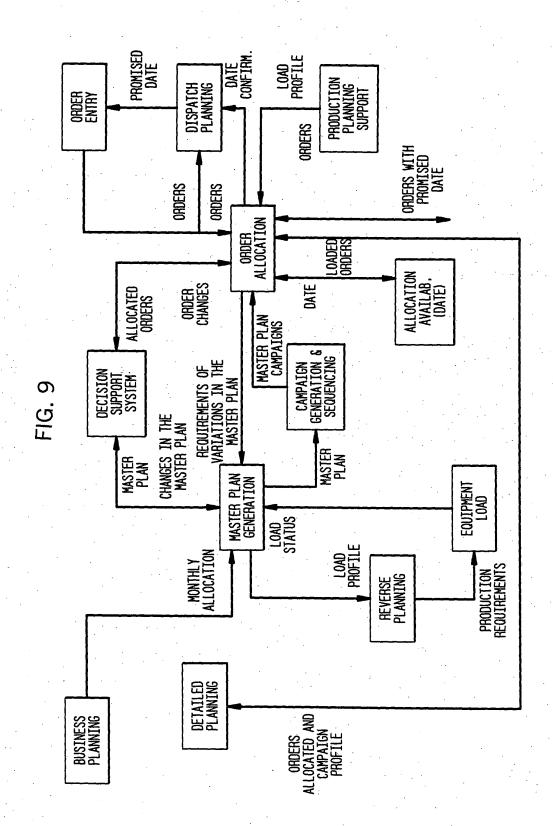
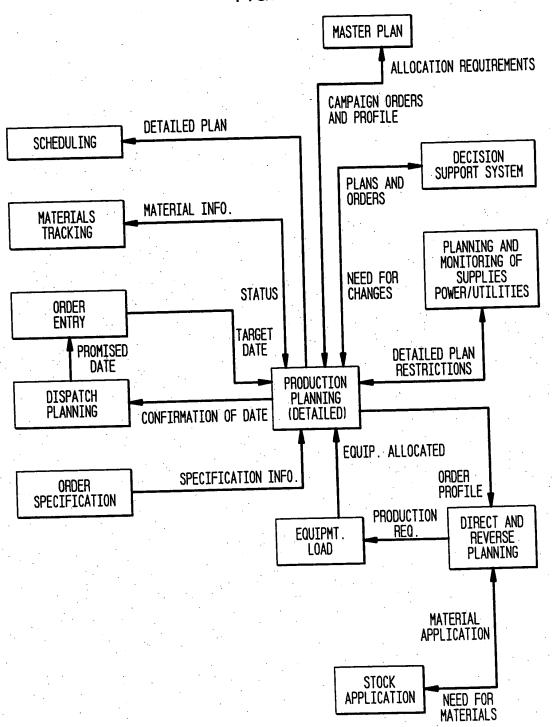
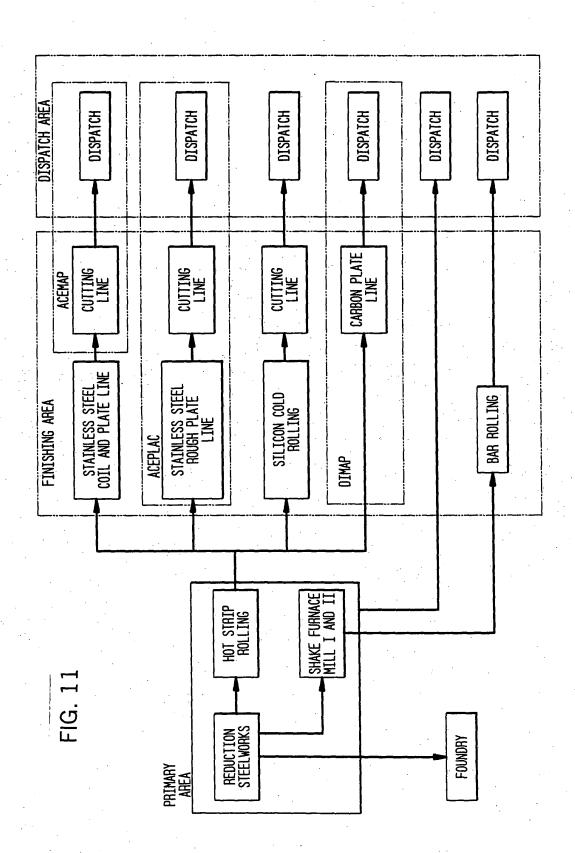


FIG. 10



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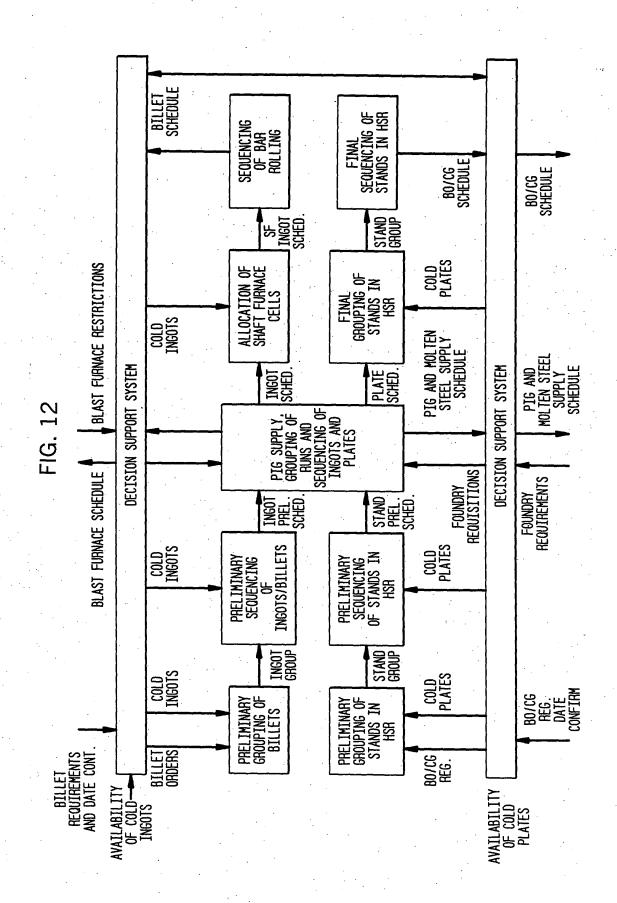


FIG. 13

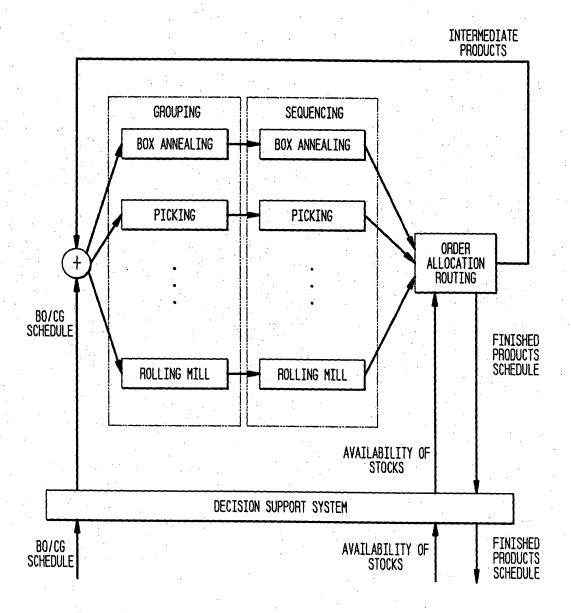


FIG. 14

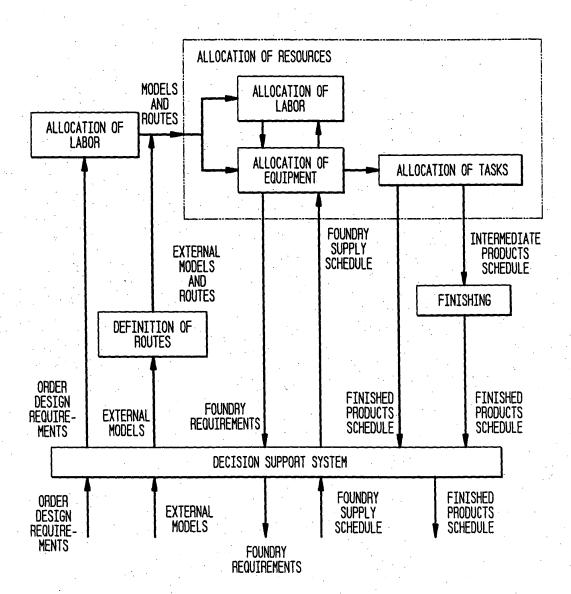
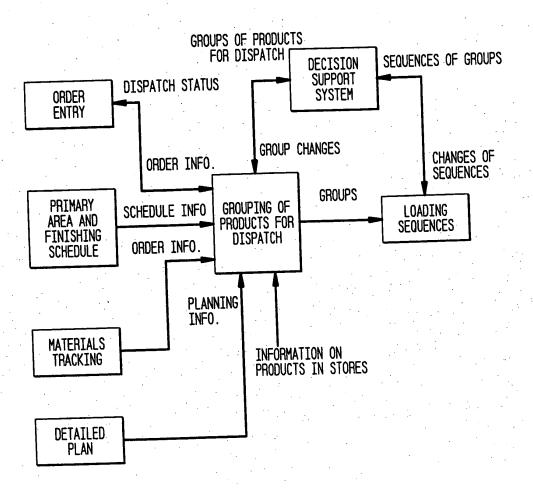


FIG. 15



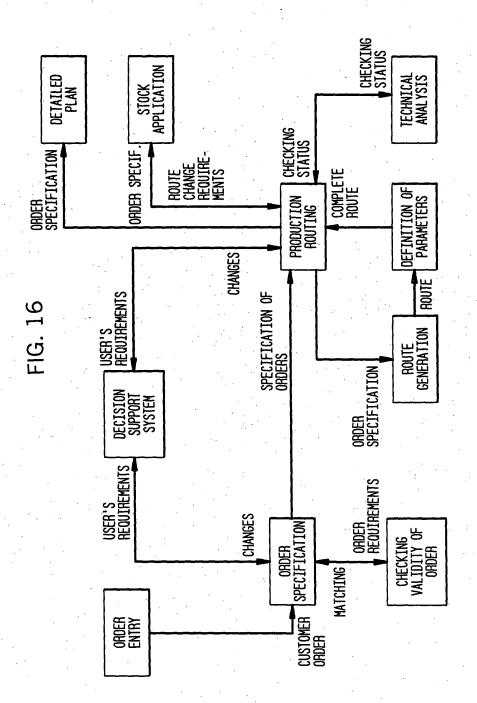


FIG. 17

